

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

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Claim 1 (currently amended): A method for managing a cache, comprising the acts of:

analyzing information stored in a caching profile; and

*A*  
responsive to the act of analyzing, selecting a preferred caching algorithm from a plurality of caching algorithms; [and

determining whether a file should be included in a cache according to the preferred caching algorithm] ;

wherein the act of analyzing is performed by a predictive modeling engine.

Claim 2 (canceled)

Claim 3 (currently amended): A method for managing a cache, comprising the acts of:

updating a caching profile in response to arrival of a file;

responsive to the act of updating, analyzing information stored in the caching profile; and

responsive to the act of analyzing, selecting a preferred caching algorithm from a plurality of caching algorithms [; and

determining whether the file should be included in a cache according to the preferred caching algorithm].

Claim 4 (original): The method of claim 3, wherein the act of analyzing is performed by a predictive modeling engine.

Claim 5 (currently amended): A method for managing a cache, comprising the acts of:

responsive to arrival of a file at a cache, analyzing information stored in a caching profile by computing a plurality of metrics; and

responsive to a comparison of the metrics one with another, selecting a preferred caching algorithm from a plurality of caching algorithms[; and

determining whether a file should be included in a cache according to the preferred caching algorithm].

Claim 6 (original): The method of claim 5, wherein the plurality of metrics includes clustering metrics.

Claim 7 (original): The method of claim 5, wherein the plurality of metrics includes scattering metrics.

Claim 8 (original): The method of claim 5, wherein the plurality of caching algorithms includes a least-used caching algorithm, a most-used caching algorithm, a least-recently-used caching algorithm, and a most-recently-used caching algorithm.

Claim 9 (new): The method of claim 5, wherein the act of analyzing is performed by a predictive modeling engine.

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